

PTD's TRIENNIAL FEATURE ARTICLE INDEX

Looking for a feature article published in the recent past? Want to find it fast? Then check here first, rather than last.

Whether you are searching for information on a particular topic or trying to find a specific article, PTD's triennial index will help you identify any feature article published in PTD during the past three years.

Photocopies of individual

articles are available at \$2.00 each. A limited number of magazines are available at \$7.00 each. Both prices include shipping and handling costs. Quantity discounts are available on reprint orders and will be quoted on an individual basis. Orders totaling less than \$50.00 must be accompanied by a check made payable to POWER

TRANSMISSION DESIGN. Microfilm copies are available in many libraries. Also, individual articles and complete issues are available in photocopy and microfilm form from University Microfilms International, 300 N. Zeeb Road, Ann Arbor, Mich. 48106, phone: (313)761-4700 ext. 222.

Feature article title	Mon	Yr	Page
ADJUSTABLE SPEED DRIVES			
Efficient new drive has a secret—It wobbles . . .	Feb	83	21
What made ET run	Feb	83	29
Give your drive system a charge—Part II	Aug	83	27
Drive saves money \$\$\$\$ by the ton	Oct	83	31
PCs and adjustable speed drives work well together	Feb	84	33
Servosystems — Which are best for your application?	Apr	84	45
Simple winder controller	Jun	84	77
How to cut centrifugal pump and fan energy costs	Aug	84	27
New system controller turns shafts 'smarter'	Nov	84	37
Adjustable speed drives — 1985 Handbook	Dec	84	A/77
Electrical adjustable-speed drives — Common Q's and A's	Jan	85	23
Digital control improves servo setup & performance	Mar	85	27
Hydrostatic drives improve quality and productivity	Apr	85	29
Electrical adjustable-speed drives: Q's and A's	Jun	85	63
Make your adjustable speed drive smarter	Aug	85	55
New electronic device ends switch problems	Sep	85	27
Adjustable speed drives — 1986 Handbook	Dec	85	A77

Feature article title	Mon	Yr	Page
BEARINGS			
Mounted bearing housings — As important as the bearing	Jan	83	77
Curing the feast or famine syndrome	Mar	83	23
Avoid the PV trap	Apr	83	24
Split bearings put the squeeze on downtime	Jul	83	31
Extending bearing life	Sep	83	18
Custom-tailor your bearing materials	Nov	83	36
Thin section bearings trim designs	Jan	84	35
Sound solution to a shaky situation	Mar	84	48
Composite bearings — Light in weight, long on life	Jul	84	17
Cut costs with bearing caps	Nov	84	17
Bearings — 1985 Handbook	Dec	84	A/153
Computers optimize bearing design	Apr	85	15
Torque measurements pinpoint cause of failure	May	85	21
Temperature monitor improves bearing PM	May	85	25
Bearings — The friction fighters	Jul	85	B7
Bearing lubrication questions & answers	Jul	85	B17
Triple lip-seal bearings improve	Jul	85	B27
Bearing manufacturers index	Jul	85	B29
Associations of the bearing industry	Jul	85	B36
Make vibration analysis your crystal ball	Sep	85	24
Magnetic bearings attract attention	Oct	85	21
One bearing does two jobs	Oct	85	79
Turning the table on geared bearings	Nov	85	27
Bearings — 1986 Handbook	Dec	85	A155

Feature article title	Mon	Yr	Page
BELT AND CHAIN DRIVES			
Putting teeth in your chain drives	Mar	83	35
V-belt design hints	Apr	83	32
Losing belt performance by degrees	Jun	83	37
Give your drive system a charge	Jun	83	47
Oilers add life to chain drives	Jul	83	24
A fountain of youth for belts	Nov	83	53
Smooth moves for chain drives	Dec	83	37
Failure analysis extends belt life	Mar	84	68
Attachments give chain dual role	May	84	33
Synchronous belt solves power transmission problem	May	84	37
Cable drives — Flexible yet positive	Jun	84	71
Computer speeds drive selection	Oct	84	22
Belt and chain drives — 1985 Handbook	Dec	84	A/197
FHP belt performance jumps into the 80s	Feb	85	27
Optimizing belt-drive efficiency	Apr	85	19
Lining up savings with today's V-belts	Aug	85	33
Reducing unscheduled chain drive downtime	Aug	85	61
Belt and chain drives — 1986 Handbook	Dec	85	A195

CLUTCHES AND BRAKES			
Wrap spring clutches pack a wallop	Jan	83	85
A cut above — By design	Aug	83	18
Controlling tension headaches	Oct	83	21
Getting the scoop on mining	Nov	83	47
Selecting and sizing electric clutches and brakes	Feb	84	21
Pneumatic clutch brakes	Jun	84	65
Totally enclosed clutch-brakes close door to contamination	Aug	84	33
Slippery solution to a hot problem	Sep	84	55
Clutches and brakes — 1985 Handbook	Dec	84	A/241
Non-asbestos linings last longer	Jan	85	14
Clutch + coupling = clutch-coupling	Feb	85	15
Torque limiters come through in a clutch	Jun	85	59
Unraveling web tension control	Nov	85	35
Clutches and brakes — 1986 Handbook	Dec	85	A235

CONTROLS AND SENSORS			
Tachometers promote versatile speed control	Feb	83	26
Digital control keeps production on target	Apr	83	30
Programmable controller installation & trouble shooting	May	83	23
Keeping an eye on photoelectrics	Jul	83	19
Matching rotary encoders to motion sensing needs	Feb	84	27
PCs and adjustable speed drives work well together	Feb	84	33
Force transducers accurately sense process line tension	Jul	84	21
Computer speeds drive selection	Oct	84	22
Applying photoelectric scanners	Oct	84	35
Controls and sensors — 1985 Handbook	Dec	84	A/271
Computers optimize bearing design	Apr	85	15
PT computer software	Apr	85	36
Controls and sensors take charge	Oct	85	C11
The ins and outs of programmable controllers	Oct	85	C15
NEMA and IEC standards	Oct	85	C19
Making sense out of sensor selection	Oct	85	C27
Controls and sensors — 1986 Handbook	Dec	85	A271

COUPLINGS AND U-JOINTS			
A fitness plan for flexible couplings	Apr	83	20
Maintenance for U-joints	Sep	83	27
When grease turns to soap	Nov	83	44
Misalignment ills cured with CV joints	May	84	27
How flexible is your coupling decision?	May	84	40
Fluid coupling locks in on performance	Aug	84	21

Feature article title	Mon	Yr	Page
COUPLINGS AND U-JOINTS cont.			
Give the shaft to flexible coupling problems	Oct	84	29
Couplings and U-joints—1985 Handbook	Dec	84	A/299
Clutch + coupling = clutch-coupling	Feb	85	15
Solving U-joint vibration problems	Jul	85	85
Marine coupling waters down mining expense	Sep	85	39
Flexible shaft improves fluid level gage	Sep	85	43
Couplings and U-joints—1986 Handbook	Dec	85	A301

GEARS AND GEAR DRIVES			
Computer-aided gear lubrication	May	83	19
Energy efficient helicals now more affordable	Aug	83	22
NASA pushes gear frontiers	Sep	83	22
Close-up of cycloidal drives	Oct	83	27
Close-up of cycloidal drives	Dec	83	33
Selecting large gear drives	May	84	22
Where's the action with traction?	Jul	84	30
Herringbone gears still offer value	Oct	84	19
Gears and gear drives — 1985 Handbook	Dec	84	A/323
Gearing — Past, present, and future	Mar	85	G15
Specifying worm gears	Mar	85	G23
The case of worn out gears	Mar	85	G36
Gearing manufacturers index	Mar	85	G76
Associations of the gearing industry	Mar	85	G79
Top quality large gears work better, cost more	May	85	95
Gearing for off-highway vehicles	Jul	85	27
PM Planning pays off in gear drive purchases	Sep	85	35
Powdered metal gears put new teeth in PT drives	Oct	85	27
Turning the table on geared bearings	Nov	85	27
Phase-shifting differentials	Nov	85	43
Gears and gear drives — 1986 Handbook	Dec	85	A325

MOTORS			
'Glass' motor cores will cut heat, save energy	Mar	83	27
Effects of drawing motors on drive dynamics — Part II	Mar	83	31
Update: Energy-efficient motors	Aug	83	31
Stopping dc motors	Jan	84	27
Braking ac motors with DC	Feb	84	15
Good insurance — Proper ac motor protection	Mar	84	63
Good insurance — Proper ac motor protection	Apr	84	35
Good insurance — Proper ac motor protection	May	84	47
Servo-like performance comes to step motors	Aug	84	37
Motors that run on air	Sep	84	35
Optimize your motor enclosure selection	Nov	84	23
Motors — 1985 Handbook	Dec	84	A/381
Motors — Past, present, and future	May	85	M7
Motor insulation systems	May	85	M21
Associations of the motor industry	May	85	M28
Linear motors for linear motion	May	85	M35
Hydraulic motors — High performance in a small package	May	85	M40
Matching motors to loads	May	85	M45
Motor manufacturers index	May	85	M50
New electronic device ends centrifugal switch problems	Aug	85	27
Single-phase motors are not created equal	Sep	85	19
Pancake motors solve slitter space constraints	Oct	85	77
Motors — 1986 Handbook	Dec	85	A383

Feature article title	Mon	Yr	Page
-----------------------	-----	----	------

PT ACCESSORIES

Curing the feast or famine syndrome	Mar	83	23
Computer-aided gear lubrication	May	83	19
Pick the right ball screw for the job	May	83	29
Compact air cylinders and robot design	May	83	33
Keyless locking clamps down on mounting problems	Jun	83	41
Knowing the facts earns a seal of approval	Jul	83	35
Snappy ways to cut design costs	Oct	83	40
When grease turns to soap	Nov	83	47
Proper lubrication pays big dividends	Mar	84	53
A new twist to move loads	Apr	84	23
Simple solution to complex motion	Apr	84	41
Getting a grip on shaft collars	Jun	84	61
Shaft seal keeps wind turbine turning	Jul	84	26
PT accessories — 1985 Handbook	Dec	84	A/411
Matched rings improve reliability	Feb	85	18
Improving mechanical hearts	Mar	85	123
Tolerance rings improve PT performance	Apr	85	33
Triple lip-seal bearings improve	Jul	85	B27
Convolute boots protect critical PT components	Jul	85	92
PT accessories — 1986 Handbook	Dec	85	A429

SPECIAL INTEREST FEATURES

1983 Salary survey: Too dismal to contemplate	Apr	83	15
Winning friends by turning customers into students	Jun	83	21
Power transmission '84	Dec	83	25

Feature article title	Mon	Yr	Page
-----------------------	-----	----	------

SPECIAL INTEREST FEATURES cont.

23rd Annual product specification guide	Jan	84	39
Product specification guide manufacturers' index	Jan	84	99
1984 Design Engineering Show and Conference Preview	Mar	84	31
Distributor showcase	Jun	84	31
How to obtain the most value from distributors	Jun	84	32
Distributors offer PT variety	Jun	84	38
Guide to local sources	Jun	84	51
Top 40 PT products	Sep	84	22
NASA Engineer helps advance state of the art	Sep	84	47
1959 Charter advertisers	Sep	84	65
PTDA Gives power to the industry	Oct	84	15
Preview of power transmission — 1985	Nov	84	29
Seventh annual prize literature awards	Nov	84	41
24th Annual product specifications guide	Jan	85	31
1985 National design engineering show & conference	Feb	85	33
Top 11 PT products	Mar	85	117
Interfacing electronically with your distributor	Jun	85	23
Products available through PT distributors	Jun	85	35
Guide to local sources	Jun	85	43
NEMA and IEC standards	Oct	85	C19
Controls and sensors manufacturers index	Oct	85	C34
Readers rate PT suppliers	Nov	85	21
Eighth annual prize literature awards	Nov	85	39

REACH FOR THE STAR OF QUALITY



ALLIED-LOCKE INDUSTRIES, INC.

P.O. BOX 509, DIXON, IL 61021

TXW 910-642 3083

IN ILL. PHONE 815-288-1471

OUTSIDE ILL. 800-435-7752 TOLL FREE

